

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE INTERNATIONAL

APPLICATION OF: ISHIZUKA Tetsuya et al.

INTERNATIONAL SERIAL NO: PCT/JP00/03647

INTERNATIONAL FILING DATE: June 5, 2000

FOR: STEPPED-UP NUCLEIC ACID AMPLIFICATION METHOD

Verification of Translation

Honorable Commissioner of Patents & Trademarks

Washington, D.C. 20231

Sir:

Tomoko Chiba, a translator of 1-3-26, Nakaaoki, Kawaguchi-shi, Saitama-ken, Japan, declares:

1) that she knows well both the Japanese and English languages;  
2) that she translated the above-identified International Application from Japanese to English;

3) that the attached English translation is a true and correct translation of the above-identified International Application to the best of her knowledge and belief; and

4) that all statements made of her own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: January 16, 2001

By: Tomoko Chiba  
Tomoko Chiba

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/03647

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> C12Q1/68, C12N15/09, G01N33/542, G01N33/566

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> C12Q1/68, C12N15/09, G01N33/542, G01N33/56

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
WPI, WPI/L, BIOSIS PREVIEWS, CAS ONLINE, GenBank/EMBL/DDBJ/Geneseq

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP, 5-276946, A (TOSOH CORPORATION), 26 October, 1993 (26.10.93) (Family: none)	1-10
A	JP, 5-237000, A (TOSOH CORPORATION), 17 September, 1993 (17.09.93), & EP 487218, A	1-10

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:  
 "A" document defining the general state of the art which is not considered to be of particular relevance  
 "E" earlier document but published on or after the international filing date  
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  
 "O" document referring to an oral disclosure, use, exhibition or other means  
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
 "&" document member of the same patent family

Date of the actual completion of the international search  
29 August, 2000 (29.08.00)Date of mailing of the international search report  
19 September, 2000 (19.09.00)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

## PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

**NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT**

(PCT Administrative Instructions, Section 411)

To:

OGAWA, Toshiharu  
Torimoto Kogyo Bldg.  
38, Kanda-Higashimatsushitacho  
Chiyoda-ku  
Tokyo 101-0042  
JAPON

Date of mailing (day/month/year) 27 September 2000 (27.09.00)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference TS-352	
International application No. PCT/JP00/03647	
International publication date (day/month/year) Not yet published	
International filing date (day/month/year) 05 June 2000 (05.06.00)	Priority date (day/month/year) 04 June 1999 (04.06.99)
Applicant TOSOH CORPORATION et al	

1. The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
3. An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
4. The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
04 June 1999 (04.06.99)	11/157653	JP	18 Augu 2000 (18.08.00)

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 740.14.35

Authorized officer

Somsak Thiphrakesone

Telephone No. (41-22) 338.83.38

# PATENT COOPERATION TREATY

PCT

## NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

To:

OGAWA, Toshiharu  
Torimoto Kogyo Bldg.  
38, Kanda-Higashimatsushitacho  
Chiyoda-ku  
Tokyo 101-0042  
JAPON

Date of mailing (day/month/year)

14 December 2000 (14.12.00)

Applicant's or agent's file reference

TS-352

### IMPORTANT NOTICE

International application No.

PCT/JP00/03647

International filing date (day/month/year)

05 June 2000 (05.06.00)

Priority date (day/month/year)

04 June 1999 (04.06.99)

Applicant

TOSOH CORPORATION et al

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice:

US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

EP

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on

14 December 2000 (14.12.00) under No. WO 00/75371

### REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

### REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

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